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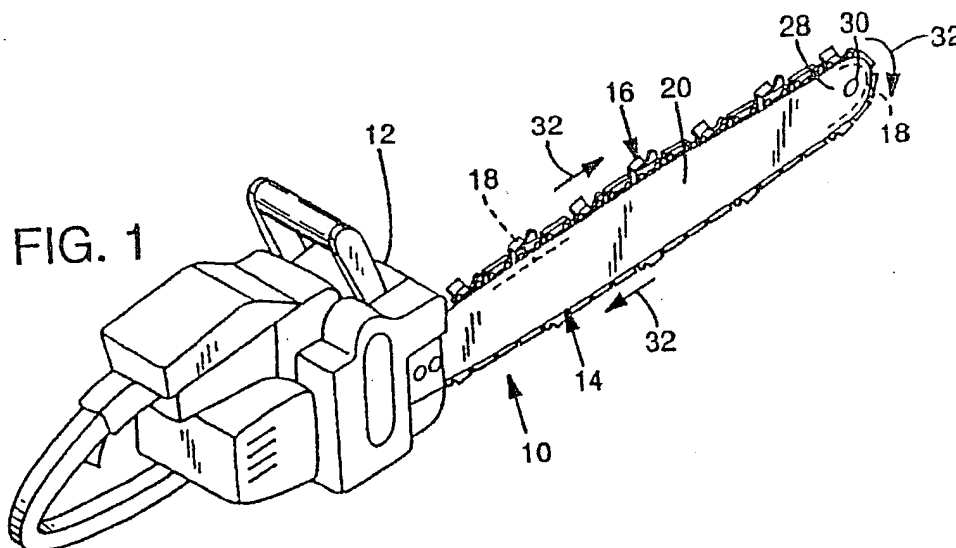
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POLLAK MERCER & TENCH High Holborn
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London WC1V 6RY(GB)(54) **Tooth configuration for an idler sprocket in the nose of a chain saw guide bar.**

(57) A chain saw guide bar (14) for guiding an endless saw chain (16) has a sprocket (30) rotatably mounted in the nose (28) of the bar (14) to elevate and transport the saw chain (16) around the nose end. The teeth (34) of the sprocket (30) engage the drive links (50) of the chain (16) to lift the chain off

the nose edge (25) as the chain (16) traverses the nose (28). The tooth tips (40) project above the side link bearing surfaces and into configured notches whereby the teeth (34) effectively provide the lifting action without entering the saw chain chassis.

**FIG. 1****EP 0 427 370 A3**



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EUROPEAN SEARCH REPORT

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EP 90 30 5274

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	US-A-3 410 147 (D.G. SCOTT-JACKSON) * Column 3, lines 11-28; figure 4 *	1	B 27 B 17/08
A	-----	2,4,5	
A	US-A-3 291 169 (B.O.J.S. MÖRNER) * Column 2, lines 7-18; figure 1 *	1-3	
A	-----	1,2	
A	DE-A-3 710 983 (R. KÜHNER et al.) * Column 3, lines 33-47; figure 1 *	4	
A	AMERICAN MACHINIST, July 1983, pages 85-88, McGraw-Hill Publishing Co., Ltd, London, GB; J. JABLONOWSKI: "Generating gear via software" * Page 88, sections: "Gear designing combines with part programming", "Off-line graphics programming" *	4	
A	D.W. DUDLEY: "Handbook of practical gear design", 1984, page 9.5, Appendix material, McGraw-Hill Book Co., New York, US * Appendix material; page 9.5, lines 16-17 *	4	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 27 B F 16 H
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		23 May 91	SOEHNLEN T.J.E.
<div>CATEGORY OF CITED DOCUMENTS</div> <div>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention</div> <div>E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &: member of the same patent family, corresponding document</div>			